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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,726	03/15/2001	Douglas John Turner	S1022/8631	5662

23628 7590 10/19/2004

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EXAMINER

NG, CHRISTINE Y

ART UNIT

PAPER NUMBER

2663

DATE MAILED: 10/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/809,726	<b>Applicant(s)</b> TURNER, DOUGLAS JOHN	
	<b>Examiner</b> Christine Ng	<b>Art Unit</b> 2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 15 March 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,5 and 11 is/are rejected.
- 7) ☒ Claim(s) 2-4 and 6-10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 March 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Page 6 line 3: CPU 124. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 5 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,088,777 to Sorber.

Referring to claim 1, Sorber disclose in Figures 2, 12A and 12B a method of

Art Unit: 2663

converting a packet of data from a source format (variable length message) to a target format (parsed message), the packet comprising a type indicator (ID field) and one data field (message). Refer to Column 7, lines 29-32; Column 9, lines 30-39; Column 11, lines 14-20; and Abstract. The method comprises the steps of:

Storing a table (each row of Figure 12B) for each packet type (column TYPE), each table (each row Figure 12B) comprising for the data field (message) of that packet type (column TYPE) a value (column CLASS) representative of a storage requirement in memory (Figure 2, Element 22) and a corresponding field descriptor (column SIZE) denoting the nature of the data field (message). Each type of packet (HSN, SDL, Length n, SIO, DPC, etc.) has a different size and is parsed and placed in a memory block from the class corresponding to its type. The memory block sizes are different for each class. Refer to Column 7, lines 29-46 and Column 11, lines 11-57.

Receiving (Figure 12A, step 142) a packet in a source format (variable length message). Refer to Column 11, line 18.

Identifying (Figure 12A, step 144) the type of packet from the type indicator (ID field). Refer to Column 11, lines 19-20.

Accessing (Figure 12A, steps 150-160) the stored table (each row of Figure 12B) for the type of packet (column TYPE) identified and thus obtaining for the data field (message) a value (column CLASS) representative of a storage requirement in memory (Figure 2, Element 22) and a field descriptor (column SIZE) for that field. Refer to Column 11, lines 22-47.

Using the value (column CLASS) and the field descriptor (column SIZE) to load

the packet into a target memory (Figure 2, Element 22) according to the target format (parsed message) specified by the field descriptor (column SIZE). Each type of packet (HSN, SDL, Length n, SIO, DPC, etc.) has a different size and is parsed and placed in a memory block from the class corresponding its type. Refer to Column 11, lines 22-47.

Referring to claim 5, Sorber discloses before storing tables (each row of Figure 12B) for each type of packet (column TYPE), creating a table (each row of Figure 12B) for each type of packet (column TYPE). A table is created and stored for certain systems into a data parser (Figure 2, Element 28). "The table in FIG. 12B is an example of parser instructions for different types of messages used in Signaling System number 7" (Column 11, lines 24-26). Refer to Column 11, lines 11-14.

Referring to claim 11, refer to the rejection of claim 1. Sorber also disclose a table store (Figure 12B) for storing a table (each row of Figure 12B); a packet buffer (Figure 2, data parser 28) for receiving a packet; a packet reader (Figure 2, data parser 28) for identifying the type of packet; a target memory (Figure 2, data memory 22); and a converter (Figure 2, data parser 28) for accessing the stored table (Figure 12B).

***Allowable Subject Matter***

4. Claims are 2-4 and 6-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

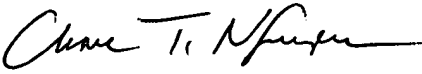
**Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christine Ng whose telephone number is (571) 272-3124. The examiner can normally be reached on M-F; 8:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nguyen Chau can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

C. Ng *w*  
October 1, 2004

  
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